

Message

From: Susanna A. Mays [susanna@trustsc.com]
Sent: 11/30/2017 5:23:43 PM
To: 'SHERRIER, MICHAEL P' [Michael.P.Sherrier@dupont.com]; 'Harris, Michael' [MHarris@nccde.org]; 'Michele Ruth' [mcrrai@gmail.com]; 'Miller, Theresa' [theresa_miller@golder.com]; 'Dakon Brodmerkel' [brodmerkel@dextra-group.com]; 'Steve Gonzalski' [stephen.gonzalski@bp.com]
CC: Rossi, Debra [Rossi.Debra@epa.gov]; [Ex. 4 CBI]@cdmsmith.com
Subject: RE: [EXTERNAL] ADDITIONAL RESPONSE ACTIVITIES - ARMY CREEK LANDFILL

No, that is fine with me.

Sus.....

From: SHERRIER, MICHAEL P [mailto:Michael.P.Sherrier@dupont.com]
Sent: Thursday, November 30, 2017 12:21 PM
To: Susanna A. Mays <susanna@trustsc.com>; Harris, Michael <MHarris@nccde.org>; Michele Ruth <mcrrai@gmail.com>; Miller, Theresa <theresa_miller@golder.com>; Dakon Brodmerkel <brodmerkel@dextra-group.com>; Steve Gonzalski (stephen.gonzalski@bp.com) <stephen.gonzalski@bp.com>
Cc: Rossi, Debra <Rossi.Debra@epa.gov>; [Ex. 4 CBI]@cdmsmith.com
Subject: RE: [EXTERNAL] ADDITIONAL RESPONSE ACTIVITIES - ARMY CREEK LANDFILL

All –

Below are my notes from the call today with EPA / DNREC. I suggest that we each send any notes we have to Susanna, so she can collate / combine them into one set of representative notes that we can distribute to the larger groups.

Susanna – do you mind doing that for us?

Thanks,
Mike

CALL WITH EPA / DNREC CLARIFICATIONS ON ADDITIONAL RESPONSE ACTION REQUEST - ARMY CREEK LANDFILL

Meeting Date: 11/30/2017 10:00 AM

Location: TELECONFERENCE

Participants

Susanna A. Mays <susanna@trustsc.com>; Debra Rossi (Rossi.Debra@epamail.epa.gov); davies.kathy@epa.gov; Christina Wirtz (Christina.Wirtz@state.de.us); Paul.Will@state.de.us; Harris, Michael <MHarris@nccde.org>; Michele Ruth <mcrrai@gmail.com>; Miller, Theresa <theresa_miller@golder.com>; Dakon Brodmerkel <brodmerkel@dextra-group.com>; Steve Gonzalski (stephen.gonzalski@bp.com)

Notes

Stated request (from EPA letter) and discussion from call:

1. "the extent of the dissolved metals and 1,2-dichloroethane contamination in groundwater within the Upper Potomac Aquifer downgradient of the western lobe of the Army Creek Landfill":

AWC has submitted application for replacement well at AWC-6. Need to look to the west of P4.

P4 results - Cyclical results. Not enough wells in the area to understand lateral extent of the impact. Need to understand if there is a plume moving toward the western end of the AWC well field. Wells are needed in the area to the south of the westernmost extent of the landfill.

May also need new wells to the north of P4.

Vertically, need to include both upper and lower sand of UPA. Also need to consider Columbia - not used for water supply. Not saturated everywhere.

Need to look back at the RI and use that knowledge to guide us. This is a mature site. The current system is the same / very similar to the situation present when the RI was completed. The overall finding from the RI are still relevant. We should not be treating this investigation like it is a new investigation at a new site.

- 2) "whether the Army Creek Landfill is a source of per- and polyfluoroalkyl substances (PFAS) in groundwater within the Upper Potomac Aquifer":

Need to include head maps in UPA that demonstrate no mounding below ACL to support sampling of up-gradient wells - show they are truly upgradient.

Start with existing wells (up and down gradient) plus any new wells installed in P4 area.

Compare up-gradient and down-gradient concentrations and see if there is anything apparent in the data that suggests ACL is a source (significant increases down-gradient relative to upgradient, change in profile of suite of PF compounds up to down-gradient, localized 'hot spot' areas that suggest localized source in landfill, etc.).

- 3) "the vulnerability of the Llangollen well field to contaminant releases from the western lobe of the Army Creek Landfill"

Qualitative analysis. Not quantitative. e.g., Is there a metals plume travelling toward ACL?, what are the concentrations?, are there increasing trends in P4?, etc. See what the results tell us and do more detailed analysis, if warranted.

May need to sample new wells over some period of time to answer this question.

Use flow model from TetraTech to understand flow paths and velocities, travel times, etc. between ACL and western end on AWC well field. This will help in interpretation of data and will also help to select appropriate well locations. Include this in CSM portion of the work plan, if possible.

Submittals:

Work plan should be stream-lined with minimum essential information: what, where, how, and why

Other documents that need to be provided - QAPP, SAP, HASP etc. can be addenda to existing documents, if available.

HASP can be submitted after January, if not enough time to get everything done by then.

CSM / data gaps, etc.in work plan - just needs to be sufficient to support / justify the scope. What do we know about what they are asking, what are the primary data gaps we need to fill in order to answer the question, how are we going to fill the data gap (scope).

Michael Sherrier
DuPont Corporate Remediation Group
Wilmington, DE

-----Original Appointment-----

From: Susanna A. Mays [mailto:susanna@trustsc.com]

Sent: Wednesday, November 22, 2017 12:53 PM

To: Susanna A. Mays; Debra Rossi (Rossi.Debra@epamail.epa.gov); davies.kathy@epa.gov; Christina Wirtz (Christina.Wirtz@state.de.us); Paul.Will@state.de.us; Harris, Michael; Michele Ruth; SHERRIER, MICHAEL P; Miller, Theresa; Dakon Brodmerkel; Steve Gonzalski (stephen.gonzalski@bp.com)

Cc: Rossi, Debra; **Ex. 4 CBI**

Subject: [EXTERNAL] ADDITIONAL RESPONSE ACTIVITIES - ARMY CREEK LANDFILL

When: Thursday, November 30, 2017 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).

Where: TELECONFERENCE

Call In Number: **Ex. 4 CBI**

Access Code: **Ex. 4 CBI**

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